



State of Utah

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Department of Administrative Services

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Executive Director

Division of Facilities Construction and Management

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ADDENDUM

Date: 10 February 2006

To: Contractors

From: Matthias Mueller, Project Manager, DFCM

Reference: Department of Alcoholic Beverage Control
New North Ogden Liquor Store
Ogden Patterson Liquor Store

DFCM Project #: 04180030 & 04242030

Subject: **Addendum No. 2**

Pages	Addendum	2 page
	Architectural Attachment	1 page
	Specification Section 05521	4 pages
	Door Hardware Schedule	1 page
	<u>Specification Section 09310</u>	<u>6 pages</u>
	Total Pages	14 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

2.1 Reference the attached Architectural Attachment, Specification Sections and Door Schedule.

2.2 Contractor Questions.

2.2.1 Is it your intention that the Project Schedules be finalized and turned in with the References, Statement of Qualifications, Management Plan etc, due February 15th or is the Project Schedule due on March 9th with the Cost Proposal?

Response: Reference the Revised Project Schedule issued with Addendum #1. The Project Schedules are to be turned in on March 9th.

2.2.2 Is it your intention that two separate Project Schedules be provided or on combined Project Schedule reflecting both jobs.

Response: A single Project Schedule clearly reflecting 2 separate buildings is required.

End of Addendum

ADDENDUM #1
February 10, 2006

PROJECT
Ogden Patterson Liquor Store #24

OWNER
State of Utah, Department of Alcoholic Beverage Control

ARCHITECT
Eaton Architecture, LLC
77 West 200 South, Suite 302
Salt Lake City, Utah 84101

The original Contract Documents issued for the above stated project are amended as noted in this Addendum. It shall be the sole responsibility of the bidder to appropriately disseminate this information to all concerned parties prior to the assigned bid time and date, and to coordinate the Addendum with the Contract Documents.

Receipt of this Addendum shall be acknowledged by inserting its number in the appropriate space provided on the bid form. This Addendum consists of a total of twelve (12) 8½" x 11" sheets. If there are still unresolved questions after examining this Addendum, please submit those questions via telephone or facsimile as soon as possible so that an Addendum can be issued to clarify those issues prior to bid.

ITEMS

1. Specification section 05521- Pipe and Tube Railings shall be included as attached.
2. The door hardware schedule for specification section 08710- Door Hardware has been included as an attachment.
3. Specification section 09310- Ceramic Tile shall be replaced with the attached updated section that has been included.
4. Provide and install an accessible sign plaque at both the Men's and Women's toilet room doors mounted at ADA compliant heights. Color to be selected by Architect.
5. Precision Ladders, LLC and Elmdor are approved manufacturers for roof hatches.

SECTION 05521 - PIPE AND TUBE RAILINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Steel pipe railings.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide railings capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Handrails:
 - a. Uniform load of 50 lbf/ ft. (0.73 kN/m) applied in any direction.
 - b. Concentrated load of 200 lbf (0.89 kN) applied in any direction.
 - c. Uniform and concentrated loads need not be assumed to act concurrently.
 - 2. Top Rails of Guards:
 - a. Uniform load of 50 lbf/ ft. (0.73 kN/m) applied in any direction.
 - b. Concentrated load of 200 lbf (0.89 kN) applied in any direction.
 - c. Uniform and concentrated loads need not be assumed to act concurrently.
 - 3. Infill of Guards:
 - a. Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft. (0.093 sq. m).
 - b. Uniform load of 25 lbf/sq. ft. (1.2 kN/sq. m) applied horizontally.
 - c. Infill load and other loads need not be assumed to act concurrently.
- B. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.

1.3 SUBMITTALS

- A. Product Data: For grout, anchoring cement, and paint products.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. For installed products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

- C. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, according to ASTM E 894 and ASTM E 935.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Steel Pipe and Tube Railings:
 - a. Pisor Industries, Inc.
 - b. Sharpe Products.
 - c. Wagner, R & B, Inc.; a division of the Wagner Companies.

2.2 METALS

- A. Brackets, Flanges, and Anchors: Cast or formed metal of same type of material and finish as supported rails, unless otherwise indicated.
- B. Steel and Iron:
 - 1. Pipe: ASTM A 53/A 53M, Type F or Type S, Grade A, Standard Weight (Schedule 40), unless another grade and weight are required by structural loads.
 - 2. Plates, Shapes, and Bars: ASTM A 36/A 36M.
 - 3. Castings: Either gray or malleable iron, unless otherwise indicated.
 - a. Gray Iron: ASTM A 48/A 48M, Class 30, unless another class is indicated or required by structural loads.
 - b. Malleable Iron: ASTM A 47/A 47M.

2.3 MISCELLANEOUS MATERIALS

- A. Fasteners: Provide concealed fasteners, unless unavoidable or standard for railings indicated.
 - 1. Steel Railings: Plated steel fasteners complying with ASTM B 633, Class Fe/Zn 25 for electrodeposited zinc coating.
- B. Anchors: Provide cast-in-place anchors, fabricated from corrosion-resistant materials with capability to sustain, without failure, a load equal to six times the load imposed when installed in unit masonry and equal to four times the load imposed when installed in concrete, as determined by testing per ASTM E 488.
- C. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.
- D. Shop Primers: Provide primers that comply with Division 9 painting Sections.

- E. Grout and Anchoring Cement: Factory-packaged, nonshrink, nonmetallic grout complying with ASTM C 1107; or water-resistant, nonshrink anchoring cement; recommended by manufacturer for exterior use.

2.4 FABRICATION

- A. General: Fabricate railings to comply with design, dimensions, and details indicated, but not less than that required to support structural loads.
- B. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
- C. Nonwelded Connections: Connect members with concealed mechanical fasteners and fittings.
- D. Form changes in direction by bending or by inserting prefabricated elbow fittings.
- E. Form curves by bending in jigs to produce uniform curvature; maintain cross section of member throughout bend without cracking or otherwise deforming exposed surfaces.
- F. Close exposed ends of railing members with prefabricated end fittings.
- G. Provide wall returns at ends of wall-mounted handrails, unless otherwise indicated.
- H. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect railing members to other work, unless otherwise indicated.

2.5 FINISHES

- A. Steel and Iron:
 - 1. Shop-Primed Galvanized Railings: After galvanizing, clean railings, treat with metallic-phosphate process, and apply primer to comply with SSPC-PA 1.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Perform cutting, drilling, and fitting required for installing railings. Set railings accurately in location, alignment, and elevation.
 - 1. Set posts plumb within a tolerance of 1/16 inch in 3 feet (2 mm in 1 m).
 - 2. Align rails so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping members do not exceed 1/4 inch in 12 feet (5 mm in 3 m).
- B. Coat concealed surfaces of aluminum that will be in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

- C. Anchor posts in concrete by inserting into formed or core-drilled holes and grouting annular space.
- D. Anchor posts to metal surfaces with oval flanges.
- E. Anchor railing ends to concrete and masonry with round flanges connected to railing ends and anchored to wall construction with anchors and bolts.
- F. Attach handrails to wall with wall brackets.
 - 1. Use type of bracket with flange tapped for concealed anchorage to threaded hanger bolt.
 - 2. For wood stud partitions, use hanger or lag bolts set into wood backing between studs.
 - 3. For steel-framed partitions, use hanger or lag bolts set into fire-retardant-treated wood backing between studs.
- G. Adjusting and Cleaning:
 - 1. Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop painting.
 - 2. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780.

END OF SECTION 05521

Ogden Patterson Liquor Store #24
Department of Alcoholic Beverage Control

Hardware Schedule

<u>HARDWARE SET 1</u>		Doors 104A, 105A		
3 ea	Bearing Hinge	TA2714 4.5" x 4.5"	26D	McKinney
1 ea	Privacy Latch	93K0L-15D-S3	626	Best
1 ea	Surface Closer	1431-RUO	EN	Sargent
1 ea	Kick Plate	10" x 2" LDW	32D	Rockwood
1 ea	Wall Stop	409	32D	Rockwood
3 ea	Silencer	608		Rockwood

<u>HARDWARE SET 2</u>		Door 108B		
3 ea	Bearing Hinge	TA2314 4.5" x 4.5" NRP	26D	McKinney
1 ea	Rim Exit Device	8813 ETL x LC	32D	Sargent
1 ea	Mortise Cylinder	1E-74-C4-RP3	626	Best
1 ea	Surface Closer	1431-CPS	EN	Sargent
1 ea	Kick Plate	10" x 2" LDW	32D	Rockwood
1 ea	Threshold	171A x LAR	AL	Pemko
1 ea	Door Bottom	3452CNB x LAR	AL	Pemko
1 st	Weatherstrip	303AS x LAR	AL	Pemko

<u>HARDWARE SET 3</u>		Door 106A		
3 ea	Bearing Hinge	TA2714 4.5" x 4.5"	26D	McKinney
1 ea	Storeroom Lock	93K7D-15D-S3	626	Best
1 ea	Kick Plate	10" x 2" LDW	32D	Rockwood
1 ea	Wall Stop	409	32D	Rockwood
3 ea	Silencer	608		Rockwood

<u>HARDWARE SET 4</u>		Door 107A		
3 ea	Bearing Hinge	TA2714 4.5" x 4.5" NRP	26D	McKinney
1 ea	Rim Exit Device	12-8888 (Exit Only)	32D	Sargent
1 ea	Surface Closer	1431-CPS	EN	Sargent
1 ea	Threshold	171A x LAR	AL	Pemko
1 ea	Door Bottom	3452CNB x LAR	AL	Pemko
1 st	Weatherstrip	303AS x LAR	AL	Pemko

<u>HARDWARE SET 5</u>		Door 103A		
2 ea	Bearing Hinge	TA2714 4.5" x 4.5"	26D	McKinney
1 ea	Classroom Deadbolt	83T-7S-STK	626	Best
2 ea	Silencer	608		Rockwood

<u>HARDWARE SET 6</u>		Door 102A		
4 ea	Double Acting Hinge	1001 4"	26D	McKinney

SECTION 09310 - CERAMIC TILE

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Paver tile.
 - 2. Glazed wall tile.
 - 3. Stone thresholds installed as part of tile installations.
 - 4. Crack-suppression membrane for thin-set tile installations.
 - 5. Cementitious backer units installed as part of tile installations.
 - 6. Metal edge strips installed as part of tile installations.

1.2 SUBMITTALS

- A. Product Data: For each product indicated.
- B. Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints.
- C. Samples:
 - 1. Each type, composition, color, and finish of tile.
 - 2. Assembled samples with grouted joints for each type, composition, color, and finish of tile.
 - 3. Stone thresholds in 3-inch (150-mm) lengths.

1.3 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed, for each type, composition, color, pattern, and size indicated.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply for product selection:
 - 1. Products: Subject to compliance with requirements, provide one of the products specified.

2. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.
3. Basis-of-Design Product: The design for each tile type is based on the product named. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified.

2.2 TILE PRODUCTS

- A. Manufacturers:
 1. Crossville Ceramics Company, L.P.
 2. Daltile; Div. of Dal-Tile International Inc.
- B. ANSI Ceramic Tile Standard: Provide Standard grade tile that complies with ANSI A137.1, "Specifications for Ceramic Tile," for types, compositions, and other characteristics indicated.
- C. Unglazed Paver Tile: Flat tile as follows:
 1. Composition: Porcelain.
 2. Facial Dimensions: 11-13/16 by 11-13/16 inches (300 by 300 mm).
 3. Thickness: 1/4 inch (6.35 mm).
 4. Face: Plain with square or cushion edges.
 5. For latex-portland cement-mortared and -grouted paver tile, precoat with temporary protective coating.
 - a. Basis-of-Design Product: Dal Tile Corp., Porcelana, Cerdisa.
- D. Glazed Wall Tile: Flat tile as follows:
 1. Module Size: 4-1/4 by 4-1/4 inches (108 by 108 mm).
 2. Thickness: 5/16 inch (8 mm).
 3. Face: Plain with modified square edges or cushion edges.
 4. Finish: Semimat, opaque glaze.
 5. Mounting: Factory back-mounted.
 6. Basis-of-Design Product: Dal Tile Corp., Wall Tile price group 1- 80%, price group 2- 20%.

2.3 ACCESSORY MATERIALS

- A. Thresholds: Fabricate to provide transition between adjacent floor finishes. Bevel edges at 1:2 slope, limit height of bevel to 1/2 inch (12.7 mm) or less, and finish bevel to match face of threshold.
 1. Marble Thresholds: ASTM C 503 with a minimum abrasion resistance of 10 per ASTM C 1353 or ASTM C 241 and with honed finish.
 - a. Description: Uniform, fine- to medium-grained white stone with gray veining.
 2. Corrugated-Polyethylene Product: Polyethylene with dovetail-shaped corrugations and with anchoring webbing on the underside, 3/16-inch (4-mm) nominal thickness.

- a. Product: Schluter Systems L.P.; DITRA.
- 3. Latex-Portland Cement Product: Flexible mortar with acrylic-latex additive.
 - a. Products:
 - 1) MAPEI Corporation; Ultra-flex 2 grey.

2.4 SETTING AND GROUTING MATERIALS

- A. Manufacturers:
 - 1. Atlas Minerals & Chemicals, Inc.
 - 2. Boiardi Products Corporation.
 - 3. Bonsal, W. R., Company.
 - 4. Bostik.
 - 5. C-Cure.
 - 6. Custom Building Products.
 - 7. DAP, Inc.
 - 8. Jamo Inc.
 - 9. LATICRETE International Inc.
 - 10. MAPEI Corporation.
 - 11. Southern Grouts & Mortars, Inc.
 - 12. Summitville Tiles, Inc.
 - 13. TEC Specialty Products Inc.
- B. Dry-Set Portland Cement Mortar: ANSI A118.1.
 - 1. Mapie; Kerabond
- C. Standard Sanded Cement Grout: ANSI A118.6, Mapie, color as selected by Architect.

2.5 MISCELLANEOUS MATERIALS

- A. Elastomeric Sealants: Elastomeric sealants of base polymer and characteristics indicated that comply with applicable requirements in Division 7 Section "Joint Sealants."
 - 1. Use sealants that have a VOC content of 250g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
 - 2. One-Part, Mildew-Resistant Silicone: ASTM C 920; Type S; Grade NS; Class 25; Uses NT, G, A, and, as applicable to nonporous joint substrates indicated, O; formulated with fungicide, intended for in-service exposures of high humidity and extreme temperatures.
 - a. Products:
 - 1) Dow Corning Corporation; Dow Corning 786.
 - 2) GE Silicones; Sanitary 1700.
 - 3) Pecora Corporation; Pecora 898 Sanitary Silicone Sealant.
 - 4) Tremco, Inc.; Tremsil 600 White.

- B. Cementitious Backer Units: ANSI A118.9 in maximum lengths available to minimize end-to-end butt joints.
 - 1. Thickness: 5/8 inch (15.9 mm).
 - 2. Products:
 - a. C-Cure; C-Cure Board 990.
 - b. Custom Building Products; Wonderboard.
 - c. FinPan, Inc.; Util-A-Crete Concrete Backer Board.
 - d. USG Corporation; DUROCK Cement Board.
- C. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials.
- D. Metal Edge Strips: Angle or L-shape, stainless steel; ASTM A 666, 300 Series exposed-edge material.
- E. Grout Sealer: Manufacturer's standard silicone product for sealing grout joints that does not change color or appearance of grout.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Remove coatings, including curing compounds and other substances that contain soap, wax, oil, or silicone, that are incompatible with tile-setting materials.
- B. Fill cracks, holes, and depressions with trowelable leveling and patching compound according to tile-setting material manufacturer's written instructions.
- C. Remove protrusions, bumps, and ridges by sanding or grinding.
- D. Blending: For tile exhibiting color variations, use factory blended tile or blend tiles at Project site before installing.
- E. Field-Applied Temporary Protective Coating: Where indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

3.2 INSTALLATION, GENERAL

- A. ANSI Tile Installation Standards: Comply with parts of ANSI A108 Series "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials and to methods indicated in ceramic tile installation schedules.
- B. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with TCA installation methods indicated in ceramic tile installation schedules.

- C. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- D. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Grind cut edges of tile abutting trim, finish, or built-in items. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- E. Jointing Pattern: Lay tile in grid pattern, unless otherwise indicated. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Lay out tile work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.
- F. Lay out tile wainscots to next full tile beyond dimensions indicated.
- G. Expansion Joints: Locate expansion joints and other sealant-filled joints during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
 - 1. Locate joints in tile surfaces directly above joints in concrete substrates.
 - 2. Prepare joints and apply sealants to comply with requirements in Division 7 Section "Joint Sealants."
- H. Grout tile to comply with requirements of ANSI A108.10, unless otherwise indicated.
 - 1. For chemical-resistant epoxy grouts, comply with ANSI A108.6.
- I. For installations indicated below, follow procedures in ANSI A108 Series tile installation standards for providing 95 percent mortar coverage.
 - 1. Tile floors in wet areas.
 - 2. Tile floors composed of tiles 8 by 8 inches (200 by 200 mm) or larger.
 - 3. Tile floors composed of rib-backed tiles.
- J. Install tile on floors with the following joint widths:
 - 1. Paver Tile: 1/4 inch (6.35 mm).
- K. Stone Thresholds: Install stone thresholds at locations indicated; set in same type of setting bed as abutting field tile, unless otherwise indicated.
 - 1. Set thresholds in latex-portland cement mortar for locations where mortar bed would otherwise be exposed above adjacent nontile floor finish.
- L. Metal Edge Strips: Install at locations indicated or where exposed edge of tile flooring meets carpet, wood, or other flooring that finishes flush with top of tile.
- M. Install tile on walls with the following joint widths:
 - 1. Glazed Wall Tile: 1/16 inch (1.6 mm).
- N. Apply grout sealer to cementitious grout joints in tile floors according to grout-sealer manufacturer's written instructions. As soon as grout sealer has penetrated grout joints, remove excess sealer and sealer that has gotten on tile faces by wiping with soft cloth.

3.3 FLOOR TILE INSTALLATION SCHEDULE

- A. Interior floor installation on concrete; cement mortar bed (thickset) with cleavage membrane; TCA F111.
 - 1. Bond Coat/ Mortar: Dry-set portland cement mortar.
 - 2. Grout: Standard sanded cement grout.

3.4 WALL TILE INSTALLATION SCHEDULE

- A. Interior wall installation; thin-set mortar; over cementitious backer units; TCA W244.
 - 1. Thin-Set Mortar: Latex portland cement mortar.
 - 2. Grout: Standard unsanded cement grout.

END OF SECTION 09310